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Print

Search Results - Record(s) 1 through 3 of 3 returned.

1. Document ID. US 20020182203 A1

L1: Entry 1 of 3

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020182203

PGPUB-FILING-TYPE: new

DOCUMENT'-IDENTIFIER: US 20020182203 A1

TITLE: DSP 15 dual-specificity phosphatase

FUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

MAME

Wei, Fo

CITY

STATE

COUNTRY

RULE-47

Luche, Ralf M.

Seattle Kirkland WA WA US US

US-CL-JURRENT: 424/94.6; 435/196, 435/320.1, 435/325, 435/69.1, 536/23.2

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Draw, Description

2. Document ID: US 20010049358 A1

L1: Entry 2 of 3

File: PGFB

Dec 6, 2001

FGFUB-DCCUMENT-NUMBER: 20010049358

FGFUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010049358 A1

TITLE DSP-12 and DSP-13 dual-specificity phosphatases

FUFLICATION-DATE: Desember 6, 1.01

INVENTOR INFORMATION:

NAME

1 1 1

· TUTET

FULE 411

Lucke, Fali M.

Scattle

VΑ

Wei, Bo

Kirkland

WA

US

US-CL-CURRENT: 514/12; 435/196, 435/325, 435/6, 435,69.1, 435/7.1

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claums KWC
Draws Descriptings

The angular transfer of the N and N

DERWENT-ACC-NO: 2001-488887

DERWENT-WEEK: 200203

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TITLE New isolated dual-specificity phosphatase polypeptide for treating cancer, graft-versus-host disease, autoimmune diseases, allergies, metabolic diseases, abnormal

cell growth and abnormal cell proliferation

INVENTOR: LUCHE, R M; WEI, B

PRIORITY-DATA: 2000US-179886P (February 2, 2000), 2001US-0775925 (February 1, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200157221 A2	August 9, 2001	E	081	C12N015/55
US 20010649358 A1	December 6, 2001		0.0	C12N009/16
AU 200133252 A	August 14, 2001		000	C12N015/55

Full Title Citation Fron	t Review Classificatio	n Date	Reference	Sequences	Attachments	KMMC
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Search Results - Record(s) 21 through 30 of 70 returned.

21. Document ID: US 20020183249 A1

L3: Entry 21 of 70

File: FGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020183249

FGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020183249 A1

TITLE: Method of identifying inhibitors of CDC25

FUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

CITY	STATE	COUNTRY	RULE-47
Sydney	MA	AU	
Wordester	MA	IJS	
Belmont	NC	US	
Durham	MA	IJS	
Newton	AM	IJS	
Shrewsbury	MA	'JS	
Stow	MA	<u>us</u>	
Arlington	CA	<u>us</u>	
Schwetzingen	MA	DE	
Burlingame	MA	VS	
Jeffersin	MA	US .	
Rutland	MA	US .	
Arlington	MA	IJS	
Lincoln	MA	IJS	
Needham	MA	IJS	
Malden	MA	US	
Cambridge		US	
Marlboro		US	
	Sydney Worcester Belmont Durham Newton Shrewsbury Stow Arlington Schwetzingen Burlingame Jeffersin Rutland Arlington Lincoln Needham Malden Cambridge	Sydney MA Worcester MA Belmont NC Durham MA Newton MA Shrewsbury MA Stow MA Arlington CA Schwetzingen MA Burlingame MA Jeffersin MA Rutland MA Arlington MA Lincoln MA Needham MA Malden MA Cambridge	Sydney MA AU Wordester MA US Belmont NC US Durham MA US Newton MA US Shrewsbury MA US Stow MA US Arlington CA US Schwetzingen MA DE Burlingame MA US Jefferson MA US Rutland MA US Arlington MA US Arlington MA US Rutland MA US Arlington MA US Lincoln MA US Needham MA US Malden MA US Cambridge

US CL-CURRENT: 514, 12; 4+5 226, 7 2 13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWC
Draw. D	esc li	mage								

22. Document ID: US 20020182203 A1

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W - 7 e - 1 11 ta

1.

PUBLICATION-DATE: December E, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Luche, Ralf M.

Wei, Fo

Seattle Kirkland WA WA

US US

Full Title Citation Front Review Classification Date Reference Sequences Attachments Draw, Desc Il Image

US-CL-TURFENT: 424/94.6; 435/196, 435/320.1, 435/325, 435/69.1, 536/23.2

KWIC

23. Document ID: US 20020156247 A1

L3: Entry 23 of 70

File: PGPB

Oct 24, 2002

FGPUB-DOCUMENT-NUMBER: 20020156247

PGPUB-FILING-TYFE: new

DOCUMENT IDENTIFIES. US 20020156247 A1

TITLE: Mammalian checkpoint genes and proteins

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE COUNTRY RULE-47

Elledge, Stephen J.

Sanches, Yelanda

Houston

Cincinnati

TX

OH

US US

US-CL-CURRENT: 530/389.1

Full Title Citation Front Review Classification Date Reference Sequences Attachments Draw Desc Image

24. Document ID: US 20020155505 A1

L3: Entry 24 of 70

File: PGPB

Oct 24, 2002

PORTR DOSTMENT NUMBER: 2 02 1955 F

PGPUB-FILING-TYPE: new

DOCUMENT IDENTIFIED ON DOLD 1899 F AL

TITLE: Methods for ligand discovery

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE COUNTRY RULE-47

Wells, Jim.

Purlimanne

. 73

. . .

Erlanson, Dan

Style Harry and the

Full Title Citation Front Review Classification Date Reference Sequences Attachments

Draw Desc Image

25. Document ID: US 20020151561 A1

L3: Entry 25 of 70

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020151561

FGPUB-FILING-TYFE: new

DOCUMENT-IDENTIFIEF: US 20020151561 A1

TITLE: Modulators of Protein Tyrosine Phosphatases (PTPases)

FUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	CCUNTRY	RULE-47
Andersen, Henrik Sune	Lyngby	CA	DK.	
Hansen, Thomas Kruse	Herlev	·CΑ	DF.	
Lau, Jesper	Farum	ÇA	DF.	
Moller, Niels Peter Hundahl	Kobenhavn O	CA	DK.	
Clsen, Ole Hvilsted	Bronshoj	WA	DF.	
Axe, Frank Urban	Escondido	CA	US	
Hakir, Farid	San Diego	CA	US	
Ge, Yu	San Dieg:	CA	US	
Hilsworth, Daniel Dale	San Liegt		US	
Judge, Luke Milburn	Seattle		UE	
Newman, Michael James	San Diego		US	
Uyeda, Roy Teruyuki	San Diego		US .	
Shapira, Barry Zvi	Acton		US	

US-CL-CURRENT: 514/301; 546/114

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC

26. Document ID: US 20020150954 A1

Las Entry La of "

File: IGFF

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PARTE OF MENT NUMBERS IN INC. 944

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020180984 A1

TITLE: Compositions and methods for identifying agents which modulate FTEN function and PI-3 kinase pathways

PUPLICATION DATE: Outober 17, 2002

INVENTOR INFORMATION

Full Title Citation Front Review Classification Date Reference Sequences Attachments KWIC Draw Description

27. Document ID: US 20020137170 A1

L3: Entry 27 of 70

File: PGPB

Sep 26, 2002

PGPUB-LOCUMENT-NUMBER: 20020137170

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIEE: US 20020137170 A1

TITLE: DSP-16 dual-specificity phosphatase

PUBLICATION-DATE: September 26, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Luche, Ralf M.

Seattle

WA

US

Wei, Bo

Kirkland

WA

US

US-CL-CURRENT: 435/196; 435/320.1, 435/325, 435/69.1, 536/23.2

Full Title Citation Front Review Classification Date Reference Sequences Attachments

Draw Desc Image

28. Document ID: US 20020116729 A1

L3: Entry 28 of 70

File: PGPB

Aug 22, 2002

PGPUB-LOCUMENT-NUMBER: 20020116729

PGFUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER. US 20020116729 A1

TITLE: Transgenic mice containing NTTP1 phosphatase gene disruptions

PUBLICATION-DATE: August 22, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Allen, Heith D.

Cary

110

* * 53

TY-CL CUREENT: <u>800 18; 438</u> 320,1, 435 <u>35</u>4

Full Title Citation Front Review Classification Date Reference Sequences Attachments MMC Draws Description

29. Document ID: US 20020102693 A1

the Ministry of the Control of the C

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME

STATE

COUNTRY

RULE-47

Luche, Ralf M.

CITY STA

IJS

US-CL-(URRENT: 435/196; 435/320.1, 435/325, 435/69.1, 536/23.2

Full Title Citation Front Review Classification Date Reference Sequences Attachments Errawi Desc - Image

____ 30. Document ID: US 20020102691 A1

L3: Entry 30 of 70

File: PGPB

Aug 1, 2002

PGPUB-FOCUMENT-NUMBER: 20020102691

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020102691 A1

TITLE: Cytokine-, stress-, and oncoprotein-activated human protein kinase kinases

FUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY RULE-47

Davis, Roger J.

Frinceton

MA

US

Raingeaud, Joel Derijard, Benoit Falaiseau Nice

FR FR

US-CL-CURRENT: 435/194; 435/321 1, 435/325, 435/6, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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Search Results - Record(s) 41 through 50 of 70 returned.

41. Document ID: US 6566511 B2

L3: Entry 41 of 70

File: USPT

May 20, 2003

US-PAT-NO: 6566511

DOCUMENT-IDENTIFIER: US 6566511 B2

TITLE: MAP kinase phosphatase mutant

DATE-ISSUED May 20, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Fevenkova; Ekaterina

Faszkowski; Jurek

Fort Lee Del Mar

NJ CA

US-CL-TURRENT: $\underline{536}/\underline{23.2}$; $\underline{435}/\underline{196}$, $\underline{435}/\underline{252.3}$, $\underline{435}/\underline{320.1}$, $\underline{435}/\underline{6}$

Full Title Citation Front Review Classification Date Reference Sequences Attachments Drawl Desc Image

42. Document ID: US 6566133 B1

L3: Entry 42 of 70

File: USPT

May 20, 2003

US-PAT-NO: 6566133

DOCUMENT-IDENTIFIER: US 6566133 B1

TITLE: Antisense inhibition of dual specific phosphatase 9 expression

DATE-ISSUED: May 20, 2003

INVENTOR INFORMATION:

NAME

CITY

STATE

ZIF CODE

COUNTRY

Cowserty Lex Mi

San Mate.

CA

US CL-CURRENT: 435/375; 514/44, 536/23.1, 536/24.5

Full Title Citation Front Review Classification Date Reference Sequences Attachments Drawi Desc - Image

DOCUMENT-IDENTIFIER: US 6551810 B1

TITLE: DSP-10 dual-specificity phosphatase

DATE-ISSUED: April 22, 2003

INVENTOR - INFORMATION:

NAME

CITY

STATE

ZIP CODE COUNTRY

Luche; Falf M

Seattle Kirkland WA

Wei: Fo

WA

US-CL-CURRENT: 435/196; 435/252.3, 435/320.1, 435/325, 435/6, 536/23.2

Full Title Citation Front Review Classification Date Reference Sequences Attachments KWIC

.... 44. Document ID: US 6551809 B2

L3: Entry 44 of 70

File: USPT

Apr 22, 2003

US-PAT-NO: 6551809

DOCUMENT-IDENTIFIER: US 6551809 B2

TITLE: Isolated human phosphatase proteins, nucleic acid molecules encoding human

phophatase proteins, and uses thereof

DATE-ISSUED: April 22, 2003

INVENTOR - INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Yan; Chunhua

Boyds

MD MD

Gan; Weiniu

Gaithersburg Rickville

Di Francesco; Valentina Beasley; Ellen M.

Darnestown

MD MD

US-CL-CURRENT: 435/194; 435/252.3, 435/320.1, 530/350, 536/23.2

Full Title Citation Front Review Classification Date Reference Sequences Attachments KWIC Draw. Desc | Image |

45. Document ID: US 6541605 B1

Las Entry 45 of 0

File: "SPT

Apr 1, Inc.

US-PAT-NO: 6841605

DOCUMENT-IDENTIFIER: US 6541605 B1

TITLE: Cytokine-, stress , and encoprotein activated human protein kinase kinases

DATE ISSUED: April 1, 2003

NAME

CITY

STATE ZIP CODE

COUNTRY

Iavis; Roger J.

Princeton

MA

Faingeaud; Joel

Palaiseau

FF.

Derijard; Benoit

Nice

FF.

US-CL-CURRENT: 536/350; 435/6, 435/7.1, 435/91.1, 435/91.2, 536/22.1, 536/23.1, 536/24.3, 536/24.3, 536/24.3

Full Title Citation Front Review Classification Date Reference Sequences Attachments

46. Document ID: US 6518029 B1

L3: Entry 46 of 70

Drawi Desc - Image

File: USPT

Feb 11, 2003

US-PAT-NC: 6518029

DOCUMENT-IDENTIFIER: US 6518029 B1

TITLE: Human hydrolase-like molecules

DATE-IBSUED: February 11, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Bandman; Olga

Mountain View

ΞA

Lal; Preeti

Santa Clara

 $\cdot \Box A$

Hillman; Jennifer L.

Mountain View

CΑ

Corley; Neil C. Guegler; Karl J. Mountain View Menlo Park

CACA

Shah; Purvi

Sunnyvale

CA

US-CL-CURRENT: 435/7.1; 435/183, 435/193, 435/194, 435/195, 435/196, 435/7.21, 435/7.4, 530/35

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Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWIC

3 47. Document ID: US 6492157 B1

Des Hatty 47 of 7

File: MEIT

114:1 1 , 1 2

US FAT-NO: 6492197

DOCUMENT-IDENTIFIER: US 6492157 B1

TITLE: DSP-9 dual-specificity phosphatase

DATE-ISSUED: December 10, 2002

INVENT'S INFORMATION:

Full Title Citation Front Review Classification Date Reference Sequences Attachments Draw Desc Image

48. Document ID: US 6482644 B1

L3: Entry 48 of 70

File: USPT

Nov 19, 2002

US-PAT-NC: 6482644

DCCUME: IT-IDENTIFIER: US 6482644 B1

TITLE: Antisense modulation of dual specific phosphatase 8 expression

DATE-ISSUED: November 19, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Cowsert; Lex M.

San Mateo

CA

US-CL-LURRENT 435/375; 435/325, 435/366, 435/6, 435/91.1, 536/23.1, 536/24.31, 536/24.33, 536/24.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KVMC
Drawd D	esc li	mage								

49. Document ID: US 6436642 B1

L3: Entry 49 of 70

File: USPT

Aug 20, 2002

US-PAT NC: 6436642

DOCUMENT-IDENTIFIER: US 6436642 B1

TITLE: Method of classifying a thyroid carcinoma using differential gene expression

DATE-ISSUED: August 20, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE COUNTRY

Gould-Rothberg; Bonnie E.

Guilford

 $\mathbb{C}\mathbb{T}$

Rastelli; Luca

Guilford

TS CL CURRENT: 445 6; 435 32 .1, 435 63.1

Full	Title	Citation	Review	Date	Reference	Sequences	Attachments	KVVIC	
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50. Document ID: US 6420153 B1

13: Entry Foreford

the plant and an

DATE-ISSUED: July 16, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Meyers; Rachel A.

Newton

AM

Weich; Nadine

Brookline

MA

US-CL-CURRENT: 435/196; 435/252.3, 435/320.1, 435/325, 536/23.1, 536/23.2, 536/24.1

Full Title Citation f	ont Review Classification Date Refe	erence Sequences Attachments MMC
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LATE: Thursday, May 29, 2003

Set Name side by side		Hit Count	Set Name result set
DB/U	SPT,PGPB,JPAB,EPAB,DWPI; PLUR_YES; OP_ADJ		
L13	Leu Val His Cys Lys Met Gly Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala Met	0	L13
L12	13 and DNA	65	L12
LII	Leu Val His Cys Lys Met Gly Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala Met Lys Glu Phe Gly Trp Pro Leu Glu Lys Ala	0	LII
L10	Leu Val His Cys Lys Met Gly Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala Met Lys Glu Phe Gly Trp Pro Leu Glu Lys Ala Tyr Asn Tyr Val Lys Gln Lys Arg Ser Ile Thr Arg Pro Asn Ala Gly Phe Met Arg Gln Leu Ser Glu Tyr Glu Gly Ile Leu Asp Ala	0	L10
L9	Leu Val His Cys Lys Met Gly Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala Met Lys Glu Phe Gly Trp Pro Leu Glu Lys Ala Tyr Asn Tyr Val Lys Gln Lys Arg Ser Ile Thr Arg Pro Asn Ala Gly Phe Met Arg Gln Leu Ser Glu Tyr Glu Gly Ile Leu Asp Ala Ser Lys Gln Arg His Asn Lys Leu Trp Arg Gln Gln Thr Asp Ser Ser Leu Gln Gln Pro Val Asp Asp Pro Ala Gly Pro Gly Asp Phe	0	L9
L8	Leu Val His Cys Lys Met Gly Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala Met Lys Glu Phe Gly Trp Pro Leu Glu Lys Ala Tyr Asn Tyr Val Lys Gln Lys Arg Ser Ile Thr Arg Pro Asn Ala Gly Phe Met Arg Gln Leu Ser Glu Tyr Glu Gly Ile Leu Asp Ala Ser Lys Gln Arg His Asn Lys Leu Trp Arg Gln Gln Thr Asp Ser Ser Leu Gln Gln Pro Val Asp Asp Pro Ala Gly Pro Gly Asp Phe Leu Pro Glu Thr Pro Asp Gly Thr Pro Glu	0	L8
1.7	Leu Val His Cys Lys Met Gly Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala Met Lys Glu Phe Gly Trp Pro Leu Glu Lys Ala Tyr Asn Tyr Val Lys Gln Lys Arg Ser Ile Thr Arg Pro Asn Ala Gly Phe Met Arg Gln Leu Ser Glu Tyr Glu Gly Ile Leu Asp Ala Ser Lys Gln Arg His Asn Lys Leu Trp Arg Gln Gln Thr Asp Ser Ser Leu Gln Gln Pro Val Asp Asp Pro Ala Gly Pro Gly Asp Phe Leu Pro Glu Thr Pro Asp Gly Thr Pro Glu Ser Gln Leu Pro Phe Leu Asp Asp Ala Ala	()	1.7
L6	Leu Val His Cys Lys Met Gly Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala Met Lys Glu Phe Gly Trp Pro Leu Glu Lys Ala Tyr Asn Tyr Val Lys Gln Lys Arg Ser Ile Thr Arg Pro Asn Ala Gly Phe Met Arg Gln Leu Ser Glu Tyr Glu Gly Ile Leu Asp Ala Ser Lys Gln Arg His Asn Lys Leu Trp Arg Gln Gln Thr Asp Ser Ser Leu Gln Gln Pro	()	L6

4 eu Val His Cys Lys Met Gly Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala Met Lys Glu Phe 260 265 270 Gly Trp Pro Leu Glu Lys

L5	Ala Tyr Asn Tyr Val Lys Gln Lys Arg Ser 275 280 285 Ile Thr Arg Pro Asn Ala Gly Phe Met Arg Gln Leu Ser Glu Tyr Glu 290 295 300 Gly Ile Leu Asp Ala Ser Lys Gln Arg His Asn Lys Leu Trp Arg Gln 305 310 315 320 Gln Thr Asp Ser Ser Leu Gln Gln Pro Val Asp Asp Pro Ala Gly Pro Gly Asp Phe Leu Pro Glu Thr Pro Asp Gly Thr Pro Glu Ser Gln Leu Pro Phe Leu Asp Asp Ala Ala Gln Pro Gly Leu Gly Pro Pro Leu Pro	0	L5
L4	Leu Val His Cys Lys Met Gly 245 250 255 Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala Met Lys Glu Phe 260 265 270 Gly Trp Pro Leu Glu Lys Ala Tyr Asn Tyr Val Lys Gln Lys Arg Ser 275 280 285 Ile Thr Arg Pro Asn Ala Gly Phe Met Arg Gln Leu Ser Glu Tyr Glu 290 295 300 Gly Ile Leu Asp Ala Ser Lys Gln Arg His Asn Lys Leu Trp Arg Gln 305 310 315 320 Gln Thr Asp Ser Ser Leu Gln Gln Pro Val Asp Asp Pro Ala Gly Pro 325 330 335 Gly Asp Phe Leu Pro Glu Thr Pro Asp Gly Thr Pro Glu Ser Gln Leu Pro Phe Leu Asp Asp Ala Ala Gln Pro Gly Leu Gly Pro Pro Leu Pro	0	L4
L3	dual specificity phosphatase?	70	L3
L2	dual specifity phosphatase	0	L2
Ll	dsp-12 and phosphatase	3	Ll

END OF SEARCH HISTORY







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Institution: US PATENT & TRADEMARK OFFIC Sign In as Individual

Genome Research, Vol 6, 791-806, Copyright © 1996 by Cold Spring Harbor Laboratory Press

ARTICLES

Normalization and subtraction: two approaches to facilitate gene discovery

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MF Bonaldo, G Lennon and MB Soares

Department of Psychiatry, College of Physicians and Surgeons of Columbia University, New York, New York, USA.

Large-scale sequencing of cDNAs randomly picked from libraries has proven to be a very powerful approach to discover (putatively) expressed sequences that, in turn, once mapped, may greatly expedite the process involved in the identification and cloning of human disease genes. However, the integrity of the data and the pace at which novel sequences can be identified depends to a great extent on the cDNA libraries that are used. Because altogether, in a typical cell, the mRNAs of the prevalent and intermediate frequency classes comprise as much as 50-65% of the total mRNA mass, but represent no more than 1000-2000 different mRNAs, redundant identification of mRNAs of these two frequency classes is destined to become overwhelming relatively early in any such random gene discovery programs, thus seriously compromising their cost-effectiveness. With the goal of facilitating such efforts, previously we developed a method to construct directionally cloned normalized cDNA libraries and applied it to generate infant brain (INIB) and fetal liver/spleen (INFLS) libraries, from which a total of 45,192 and 86,088 expressed sequence tags, respectively, have been derived. While improving the representation of the longest cDNAs in our libraries, we developed three additional methods to normalize cDNA libraries and generated over 35 libraries, most of which have been contributed to our integrated Molecular Analysis of Genomes and Their Expression (IMAGE) Consortium and thus distributed widely and used for sequencing and mapping. In an attempt to facilitate the process of gene discovery further, we have also developed a subtractive hybridization approach designed specifically to eliminate (or reduce significantly the representation of) large pools of arrayed and (mostly) sequenced clones from normalized libraries vet to be (or just partly) surveyed. Here we present a detailed description and a comparative analysis of four methods that we developed and used to generate normalize cDNA libraries from human (15) marge (3) rat (2) as well as the parasite Schist scame mans mixty In a Hitimore Assaults also

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=> file medline caplus biosis biotechds scisearch embase
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ENTRY SESSION

FILL ESTIMATED COST

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=> s Leu Val His Cys Lys Met Gly Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala Met Lys Glu Phe Gly Trp Pro Leu Glu Lys

LI 0 LEU VAL HIS CYS LYS MET GLY VAL SER ARG SER ALA SER THR VAL ILE ALA TYF. ALA MET LYS GLU PHE GLY TRP PRO LEU GLU LYS

=> s Leu Val His Cys Lys Met Gly Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala Met

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-: s Leu Val His Cys Lys L4 0 LEU VAL HIS CYS LYS

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              0 --: LUCHE FAIF M/AU
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              5 LUCHE FALF/AU
E :
             DUCHE FALE M/AU

LUCHE FALE MICHAEL/AU

LUCHE FALEMICHAEL/AU

LUCHE FALEMICHAEL/AU

LUCHE FONTEIX MARIE J/AU

LUCHE FONTEIX MARIE JACQUELINE/AU

LUCHE SYLVIE/AU

LUCHE T R/AU
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L12 ANSWER 1 OF 19 CAPLUJ COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2003:242502 CAPLUS
                             138:267697
DOCUMENT NUMBER:
77777.
                             Cloning, sequences and inusis reening and therapeutic
                             use of a human dual-specificity protein
                             mhagph itaer
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LANGUAGE:

English

FAMILY Add. NUM. COUNT: 1

PATENT INFORMATION:

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PATENT NO.
    PATENT NO. KIND DATE
                   KIND DATE
                                      APPLICATION NO. PATE
                                       _______
                                                       _____
    WD 2003015196 A2 20030327 WD 2002 US15906 20020516
        W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
            CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
            GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
            LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MM, MZ, NO, NZ, OM, PH,
            PL, PT, EO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
            UA, UG, US, UZ, MN, YU, ZA, ZM, ZW, AM, AC, BY, KG, KC, MD, RU,
        FW: SH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, SM, ZW, AT, BE, CH,
            CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
            BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
    US 2003092114 Al 20030515 US 2002-151320 20020516
PRIORITY APPLN. INFO.:
                                    US 2001-291476P P 20010516
```

Compns. and methods are provided for the treatment of conditions assocd. with cell proliferation, cell differentiation and/or cell survival. In particular, the LDNA sequences and the encoded amuno acid sequences of human dual-specificity protein tyrosine phosphatase DSP-18 isoforms DSP-18a-f, and polypeptide variants thereof that stimulate dephosphorylation of DSP-18 substrates, are provided. DSP-18 dephosphorylates an activated MAP kinase. The polypertides may be used, for example, to identify antibodies and other agents that inhibit DSP-18 activity. The polypertides and agents may be used to modulate cell proliferation, cell differentiation and cell survival.

L12 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 2002:256489 CAPLUS

DECUMENT NUMBER:

TITLE:

136:290009 Protein and cDNA sequences of a novel human protein

DSF-16 with dual-specificity MAF kinase phosphatase activity, and therapeutic uses

thereof

INVENTOR(3):

Luche, Ralf M.; Wei, Bo

PATENT ASSIGNEE(S):

SCURCE:

Ceptyr, Inc., USA

PCT Int. Appl., 87 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

LANGUAGE:

Patent Enalish

FAMILY ACC. NUM. COUNT: 1

PATENT INFURMATION:

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FATEUR MIL. RIM LATE AFFLICATION NO. LATE
             A2
A3
WO 2002026997
                    000000404
                                  - WO 2001-US30124 20010925
WO 2002026997
                    20030109
   W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
       CO, CR, CU, CZ, LE, DK, LM, DZ, EC, EE, ES, FI, GB, GL, GE, GH,
       SM, HE, HT, II, II, IM, IV, JE, EE, EG, EE, EE, EC, LC, LE, LE,
       LS, LT, LU, LV, MA, MP, MG, MK, MN, MW, MX, MB, NO, NZ, FH, PL,
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US 2002137170 A1 20020926 US 2001-964277 20010925 US 2000-235487P P 20000926 FRIORITY APPLN. INFO.: W0 2001-US30124 W 20010925

The invention provides protein and SPNA sequences of a novel numan protein DSF-16, which has sequences homol. With dial-specificity MAP Kinase phosphatase. The protein DSP-16 may be used, for example, to identify antibodies and other agents that inhibit DSP-16 activity. Semiquant, PCP results show significantly higher levels of DSP-16 mRNA in tissues of skeletal muscles. The invention further relates to the uses of protein DSP-10 for modulating cell proliferation, differentiation and s_rvival.

L12 AMSWER 3 OF 14 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:240316 CAPLUS

DOCUMENT NUMBER:

136:274309

TITLE:

Protein and cDNA sequences of the novel protein DSP-15 from human and mouse, with dual-specificity MAP kinase

phosphatase activity, and therapeutic uses

thereof

INVENTOR(S):

Luche, Ralf M.; Wei, Bo

PATENT ASSIGNEE(S):

Ceptyr, Inc., USA

SOURCE:

FOT Int. Appl., 91 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO.			KI	ND	DATE			APPLICATION NO. DATE									
	W0 2002024740 W0 2002024740																	
	Willi					_	2002 AT.		A3.	BA.	вв.	5G.	BE.	BY.	BS,	CA.	СН.	CN.
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			LS,	IT,	LIJ,	LV,	14A,	MD,	MG,	MK,	MII,	,WM	MK,	MZ,	NO,	NZ,	PH,	PL,
			PT,	RO,	RU,	SD,	SE,	3G,	SI,	SE,	SL,	TJ,	TM,	TF.,	TT,	TZ,	IJΑ,	UG,
			US,	UΞ,	VN ,	ΥU,	ZΑ,	ΞW,	A14,	AΩ,	BΥ,	KG,	КΖ,	MD,	F.U,	ΤJ,	TM	
		RW:	GH,	GM,	KΕ,	LS,	MW,	ΜZ,	SD,	$\mathrm{SL}_{m{r}}$	SI,	T2,	UG,	ΞW,	AT,	BE,	CH,	CY,
			DE,	DE,	E3,	FI,	FF.,	GB,	GR,	ΙE,	ΙŢ,	LU,	MC,	NL,	FΤ,	SE,	TR,	BF,
			ΒJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	ΝE,	SN,	TI,	ΤG	
		2002.													2001			
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Ab . The invention provides protein and fINA sequences of novel human and mouse protein TSI-15, which has sequences homel, with dual-specificity MAI kinase phosphatase. The protein DSP-15 may be used, for example, to identify antibodies and other agents that inhibit DSP-15 activity. Semiquant, PCR results show significantly higher levels of ISP-ID mRNA in tissues of skeletal muscles. The invention further relates to the uses of protein ISP-15 for modulating sell proliferation, differentiation and survival.

phosphatase activity, and therapeutic uses

theresf

Luche, Ralf M.; Wei, Bo INVENTOR S :

PATENT ASSIGNEE S : Ceptyr, Inc., USA PCT Int. Appl., 70 pp. SOURCE:

CODEN: PIXXD2

DOCUMENT TYPE: LANGUAGE:

Patent English

FAMILY AGG. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.			KIND		DATE			APPLICATION NO. DATE									
Wo 2001083723 Wo 2001083723								– W	0 20)1-U	JS14076		20010501				
	AE, CO, HR, LT,	AG, CR, HU, LU,	AL, CU, ID, LV,	AM, JZ, IL,	AT, DE, IN, MD, SI,	AU, DK, IS, MG,	DM, JP, MK,	DZ, HE, MW,	EE, KG, MW,	ES, KP, MM,	FI, KR, MZ,	GB, KI, NO,	GD, LC, NS,	GE, LK, FL,	GH, LR, PT,	GM, LS, RO,	
PW:	UN, GII, DE,	ΥU, GM, DK,	ZA, KE, ES,	LS, FI,	AM, MW, FR, CM,	AZ, MZ, GB,	BY, 3D, GR,	KG, SL, IE,	K3, 31, IT,	MD, TZ, LU,	RU, UG, MC,	TJ, ZW, NL,	TM AT, PT,	EE, SE,	CH,	CY,	
U.S 2002	1026	93	А	1	2002	0801		U	s 20	01- ê	4751	9	2001	0501			

PELIORITY APPLM. INFO.: US 2000-201322P P 20000502

The invention provides protein and cDNA sequences of a novel human protein DSP-14, which has sequences homel, with dual-specificity MAP kinase phosphatase. The protein DSF-14 may be used, for example, to identify antibodies and other agents that inhibit DSP-14 activity. Semiquant. PCF results show significantly higher levels of DSP-14 mRNA in tissues of skeletal muscles. The invention further relates to the uses of protein DSP-14 for modulating cell proliferation, differentiation and survival.

L12 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: .:001:582056 CAPLUS

135:163437

DOCUMENT NUMBER:

TITLE:

Fritein and cDNA sequences of nivel human proteins DSP-12 and DSP-13 with dual-specificity MAP kinase

phosphatase activity, and therapeutic uses

thereof

INVENTOR'S':

Luche, Ralf M.; Wei, Bo

FATENT ASSIGNED ::

Jentur, Inc., U.A.

SCUPCE:

For Int. Appl., 81 pp.

CODEN: FIREC

ISSUMENT TYPE:

Patent

LANGUAGE:

Enalish

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE wo 2 18783429 L 19201 W0 0 1 00111 AN 0 1 4 4

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YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, EU, TJ, TM
        FW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
            BJ, CF, CG, CI, CM, GA, SN, GW, ML, MR, NE, SN, TD, TG
     US 2001049353 A1 20011206
                                       US 2001-775925 20010201
                                     US 2000-179886P P 20000202
PRIORITY APPLN. INFO.:
    The invention provides protein and cDNA sequences of novel human proteins
     DSP-12 and DSP-13, which have sequences homol, with dual-specificity MAP
     kinase phosphatase. The proteins DSP-12 and DSP-13 may be used,
     for example, to identify antibodies and other agents that innibit DSP-12
     or DSP-13 activity. ET-PCR anal. shows DSP-12 and DSP-13 mRMAs in all
     human tissues analyzes, including brain, thymus, placenta, skeletal
     muscle, heart, pancreas, testis, adipose and liver. The invention further
     relates to the uses of proteins DSP-12 and DSP-13 for modulating cell
     proliferation, differentiation and survival. In addn., the invention also
     provides protein and cDNA sequences of DSP-15 splice variant.
L12 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2101:4467 CAPLUS
DOCUMENT NUMBER:
                       134:11684)
TITLE:
                        Protein and sDNA sequences of a novel human protein
                        DSF-il with dual-specificity MAF kinase
                        phosphatase activity, and therapeutic uses
                        thereof
                        Luche, Ralf M.; Wei, Bo
INVENTOR(S):
PATENT ASSIGNEE(S :
                       Cepty:, Inc., USA
                       POT Int. Appl., 65 pp.
SOURCE:
                       CODEN: PIXXD2
DOCUMENT TYPE:
                        Patent
LANGUAGE:
                        English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:
     PATENT NO. KIND DATE APPLICATION NO. DATE
    WO 2001005983 A1 20010125 WO 2006-US19710 20000719
        W: AE, AG, AL, AM, AT, AU, AS, BA, BB, BG, BE, BY, BZ, CA, CH, CN,
            CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GE, GD, GE, GH, GM, HR,
            HU, ID, IL, IN, IE, JE, KE, FG, KE, KR, KE, LC, LK, LR, LS, LT,
            EU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NC, NE, PL, PT, RO, RU,
            SD, SE, SG, SI, SE, SL, TJ, TM, TR, TT, TJ, UA, UG, US, UZ, VN,
            YU, SA, SW, AM, AS, BY, KG, KZ, MD, EU, TJ, TM
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                                       ER 12 (F 450 ) 26
                    F: AT, BE, CH, IE, IR, ES, FR, GE, GR, IT, LI, LU, ML, SE, MC, ET,
            IE, NI, LT, LY, FI, RC, ME, NY, AL
     JE 2003517293 - T2 - 2003 527
                                      JP 2.01-511195 20000719
PRIORITY APPLN. INFO.:
```

The invention provides protein and cDNA sequences of a novel human protein ISF-11, which has sequences homol, with dual specificity MAF kinase phosphatase. The protein ISP-11 may be used, for example, to

US 1999-144557P P 19990720 WO 2000-US19710 W 20000719

PEFERENCE COUNT:

L12 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2003 ACS 2 01:31658 CAPLUS ACCESSION NUMBER:

3

POSUMENT NUMBER: 1:4:36286

TITLE: Protein and bDNA sequences of a novel human and mouse

protein DDP-3 with dual-specificity MAP kinase

phosphatase activity, and therapeutic uses

thereof

INVENTOR(S): Luche, Ralf M.; Wei, Bo

PATENT ASSIGNEE(S): Ceptyr, Inc., USA SOURCE:

FIT Int. Appl., 86 pp.

CODEN: PIKKD1

DOCUMENT TYPE: LANGUAGE:

Patent English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

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AFPLICATION NO. DATE
PATENT NO.
              KIND DATE
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                               Worldoo-US13207 20000629
WO 2001002532 A1 20010111
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       LM, MA, MD, MG, MK, MN, MW, MK, NC, NC, PL, PT, EC, EU, SD, SE,
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W0 2000050092 A2 2000112
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Wo 2000050091
               A3 2::1101:04
               C2 20020529
WO 2000050091
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   W: AE, AR, AL, AM, AT, AW, AB, BA, BB, BR, BF, BY, CA, CH, CN, CB,
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       CH, TI, CM, WA, GH, CW, MI, MF, NE, CH, TI, TH
                AI 2500 417
                               ## 27 943359 25666824
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AB The invention provides protein and cDNA sequences of novel human and mouse protein DSP-3, which has sequences homol. with dual-specificity MAP kinase phosphatase. The protein DSP-3 may be used, for example, to identify antibodies and other agents that inhibit DSP-3 activity. North blotting results show significantly higher levels of DSP-3 mRNA in tissues of heart, liver, skeletal muscle and pancreas. The invention further relates to the uses of protein DOP-3 for modulating cell proliferation, differentiation and surv.val.

REFERENCE COUNT: 3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 2001:31657 CAPLUS

DOCUMENT NUMBER:

134::6285

TITLE:

Protein and cDNA sequences of a novel human protein

DSF-: with dual-specificity MAP kinase phosphatase activity, and therapeutic uses

thermof

INVENTOR(S):

Luche, Ralf M.; Wei, Bo

Ceptyr, Inc., USA

PATENT ASSIGNEE(S): SOURCE:

FOT Int. Appl., 70 pp.

DODEN: PIMADO

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PAT	ENT I			KI	M Z)	DATE			А	PPLI	CATI	DH N	0.	DATE			
WO.	2001			A	1	2::01	01.1		W	0 20	0 D-U	S1.08	68	2000	0420		
	W:	ÆΕ,	ΑG,	AL,	AM,	AT,	ΑĦ,	AZ,	ВА,	BB,	BG,	BR,	Βï,	CA,	$\mathbb{C}\mathrm{H}$,	CN,	CR,
		ΟU,	CZ,	DE,	DE,	DΜ,	DO,	ΞE,	ES,	FΙ,	ЭВ,	GD,	GΕ,	GH,	$\mathbb{G}M$,	HR,	ΗU,
		ID,	IL,	IN,	ΙΞ,	ΞP,	EΕ,	КG,	EF,	KE,	K.Z,	LC,	LK,	LR,	LS,	LT,	LU,
		IV,	MA,	MD,	MG,	MK,	MI,	NW,	ŀΝ,	NO,	NΙ,	PL,	PΤ,	EO,	F.U,	SD,	SE,
		SG,	SI,	SK,	SL,	TJ,	TH,	TR,	TT,	TΞ,	UA,	UG,	U3,	UZ,	$\mathbb{V}\mathbb{N}$,	ΥU,	ZΑ,
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		DK,	ES,	FI,	FR,	GΒ,	GR,	ΞE,	IT,	Ľ.,	ΜC,	NL,	PΤ,	SE,	BF,	ВJ,	CF,
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PE, PK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
             CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                     A1 20020417 EF 2000-943359 20000629
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
PRICRITY APPLN. INFC.:
                                        US 1999-14233EP P 19990702
                                        WO 2000-US9185 A 20000407
                                        US 1999-128225P P 19990407
                                        WO 2000-US10868 A 20000420
                                        WO 2000-US18217 W 20000629
    The invention provides protein and cDNA sequences of a novel human protein
     DSP-3, which has sequences homol, with dual-specificity MAP kinase
     phosphatase. The protein DSP-3 may be used, for example, to
     identify antibodies and other agents that inhibit DSP-3 activity. North
     blotting results show significantly higher levels of DSP-3 mRNA in tissues
     of heart, liver, skeletal muscle and pancreas. The invention further
     relates to the uses of protein DSP-3 for modulating cell proliferation,
     differentiation and survival.
REFERENCE COUNT: 3
                              THERE ARE ? CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
L12 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:772772 CAPLUS
                        133:330559
DOCUMENT NUMBER:
TITLE:
                        Frotein and cDNA sequences of a novel human protein
                        DSP-5 with dual-specificity MAF kinase
                        phosphatase activity, and therapeutic uses
                        thereof
INVENTOR(S):
                        Luche, Ralf M.; Wei, Bo
                      Ceptyr, Inc., USA
FATENT ASSIGNEE(S):
                        ECT Int. Appl., 76 pp.
SOURCE:
                        CODEN: PIKKD2
DOCUMENT TYPE:
                        Patent
LANGUAGE:
                        Er.glish
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:
    PATENT NO. KIND DATE APPLICATION NO. DATE
WO 2000065069 A1 20001102 WO 2000-US11665 20000426
        W: AE, AG, AL, AM, AT, AU, AZ, EA, BB, BG, BR, BY, CA, CH, CN, CR,
            CU, CZ, DE, DE, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,
             ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,
             NY, MA, MI, MC, MH, MN, MW, MM, NC, MZ, FL, FT, FC, FU, SP, SE,
            SG, SI, SK, SL, TH, TH, TE, TT, TE, UA, UG, US, UZ, VN, YU, ZA,
            DW, AM, AD, BY, EG, MZ, MI, PU, TU, TM
        FW: WH, BM, KE, LS, MW, MI, ML, MZ, TD, MG, DW, MT, BE, CH, CT, FE,
            IE, EJ, FI, FF, GF, GF, IE, IT, LU, MJ, NL, ET, SE, EF, EJ, CF, GG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     JP 2002542786 T2 20021217
                                       JP 2000-614403 20000426
                                        US 1999-131156P P 19990427
PRIORITY APPLN. INFO.:
                                        US 2000-564357 A 20000424
                                        WO DISSENSIBLE WOOD IN 41.6
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AB The invention provides protein and DNA sequences of a novel human protein

that the restriction of the $x \in \mathbb{N}$ is the first of the $x \in \mathbb{N}$ and the restriction of the $x \in \mathbb{N}$ is the first of the $x \in \mathbb{N}$ and the restriction of the $x \in \mathbb{N}$ and the restriction of the $x \in \mathbb{N}$ and the first of the $x \in \mathbb{N}$ and the $x \in \mathbb{N}$ and the first of th

proliferation, differentiation and survival. REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT L12 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 2000:772771 CAPLUS DOCUMENT NUMBER: 133:330558 Protein and cDNA sequences of a novel human protein TITLE: DSP-1, with dual-specificity MAP kinase phosphatase activity, and therapeutic uses thereof Luche, Ralf M.; Wei, Bo INVENTOR(S): PATENT ASSIGNEE(S): Cepty:, Inc., USA FOT Int. Appl., 65 pp. SCURCE: GODEN: PIXXD2 Patent DOCUMENT TYPE: LANGUAGE: English FAMILY ACC. NUM. COUNT: 1 PATENT INFORMATION: PATENT NO. KIND DATE APPLICATION NO. DATE
WO 2000005068 AI 20001102 WO 2000-US10966 20000420 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DH, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HE, HU, ID, IL, IN, IS, JP, KE, KG, KP, KE, KG, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, NW, NK, NC, NB, PL, PT, RO, RU, SE, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TC, UA, UG, US, UZ, VII, YU, 2A, DW, AM, AZ, BY, KG, KE, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TC, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FA, GB, GR, IE, IT, LM, MC, NL, PT, SE, BF, BJ, CF, GG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG A1 20020133 EP 1000-923331 20000420 EP 1173587 R: AT, BE, CH, DE, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO
 JP 2002542785
 T2 20021117

 US 6551810
 B1 20030422
 JP 1000-614402 20000420 US ::000-557921 PRIORITY APPLN. INFO.: US 1993-130806P P 19990423 WO 2000-US10966 W 20000420 The invention provides protein and cDNA sequences of a novel human protein AB DSP-10, which has sequences homol. with dual-specificity MAP kinase phosphatase. The protein DSP-10 may be used, for example, to identify antibodies and other agents that inhibit DSP-10 activity. North Flotting results show as mifficantly higher levels of DSI-IC mFNA intissues of human skeleta, mussle and liver. The invention further relates to the unser of protein ISF(1) for modulating well proliferation, differentiation and sarvival. THESE ARE S CITEL REFERENCES AVAILABLE FOR THIS FEFFFERENCE COUNT: RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT LI2 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 2000:756875 CAPLUS

> Transport (1997) Transport (1997) Transport (1997)

Frotein and cMMA sequences of a novel human protein

133:318319

DOCUMENT NUMBER:

TITLE:

COLEN: FIMME2

LOCUMENT TYPE:

Patent English

LANGUAGE:

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE
WO 2000463393 A1 20001026 WD 2000-US10508 20000419 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KG, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MK, NO, NG, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, EU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG EP 1173586 A1 20020123 EP 2000-326122 20000419 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, PRIORITY APPLN. INFO.:

The invention provides protein and cDNA sequences of a novel human protein AB DSP-8, which has sequences homed, with dual-specificity MAP kinase phosphatase. The protein DSP-8 may be used, for example, to identify antibodies and other agents that inhibit DSP-8 activity. North blotting results show significantly higher levels of DSP-8 mENA in tissues of testis. The invention further relates to the uses of protein DSP-8 for modulating cell proliferation, differentiation and survival.

REFERENCE COUNT:

3 THERE ARE & CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2003 AGS

ACCESSION NUMBER: 2000:725785 CAPLUS

DOCUMENT NUMBER:

133:291978

TITLE:

Protein and cDNA sequences of a novel human protein

DSP-9 with dual-specificity MAP kinase phosphatase activity, and therapeutic uses

thereof

INVENTOR(S):

Luche, Ralf M.; Wei, Bo

PATENT ASSIGNEE(S): Ceptyr, Inc., USA

PCT Int. Appl., 66 pp.

CODEN: FIRREZ

ICCUMENT TYPE:

Latent

LANGUAGE:

English

PANILI Acc. NOV. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE | The control of the W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BF, BY, CA, CH, CN, CF,

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PK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, FT, SE, BF, BJ, CF,
             CG, CI, CM, SA, SN, SW, ML, MR, NE, SN, TD, TG
     US 6492157 B1 20021210 US 2000-544716 20000406 EP 1169459 A1 20020109 EP 2000-920216 20000407
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
     IE, SI, LT, LV, FI, RO
JP 2002540796 T2 20021103
                                            JP 2000-809590 20000407
                                         US 1999-123203P P 19990407
PRIORITY APPLN. INFO.:
                                         Wo 2000-US9321 W 20000407
     The invention provides protein and cDNA sequences of a novel human protein
     DSP-9, which has sequences homel, with dual-specificity MAP kinase
     phosphatase. The protein DSP-9 may be used, for example, to
     identify antibodies and other agents that inhibit DSP-9 activity. North
     blotting results show significantly higher levels of DSP-9 mRNA in tissues
     of human skeletal mussle, brain, thymus, svary and testis. The invention
     further relates to the uses of protein DSF-9 for modulating cell
     proliferation, differentiation and survival.
REFERENCE COUNT:
                         7
                               THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
L12 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2003 ACS
                     2000:725704 CAPLUS
ACCESSION NUMBER:
DOCUMENT NUMBER:
                         133:30635.2
TITLE:
                         Protein and cDNA sequences of a novel human protein
                         DSP-4 with dual-specificity MAP kinase
                         phosphatase activity, and therapeutic uses
                         thereof
INVENTOR(S):
                         Luche, Ralf M.; Wei, Bo
PATENT ASSIGNEE(S):
                        Ceptyr, Inc., USA
                         POT Int. Appl., 63 pp.
SCURCE:
                         CODEN: PIXXD2
DOCUMENT TYPE:
                         Patent
LANGUAGE:
                         English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:
     PATENT NO. KIND DATE APPLICATION NO. DATE
WO 2000060099 Al 20001012 Wo 2000-US9313 20000407
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             CU, CZ, DE, DK, DM, IC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,
             ID, IL, IN, IS, JF, KE, KG, KP, KR, KS, LC, LK, LE, LS, LT, LU,
             LV, MA, MD, MG, MK, MI, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,
             SG, SI, SK, SI, TJ, TM, TE, TT, TZ, UA, UG, US, UZ, VN, YU, ZA,
             IW, AM, AZ, BY, KG, HT, MI, BU, TJ, TM
         FW: GH, GM, KE, LS, MW, LI, SL, SC, TC, UG, DW, AT, BE, CH, CY, LE, DK, ES, FI, FR, GE, GF, IE, IT, LU, MC, NL, FT, SE, BF, BJ, CF,
             79, 31, 3M, GA, GN, GN, ML, MF, NE, SN, TI, TG
     EF 1171014 A1 2002 116 EF 2003-921870 20000407
         R: AT, BE, CH, DE, DK, EC, FF, GB, GR, IT, LI, LU, NL, SE, MC, FT,
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FRICEITT AFFIN. INF .:

WO 2000-US9313 W 20000407

IE, SI, DI, DV, LI, LI JE 2002540795 TO 20021203 JE 2000-609589 Leveland US 1999-1090 4E E 1999-4 T

uses of protein PSF-4 for modulating cell proliferation, differentiation and survival.

REFERENCE COUNT:

THERE ARE & CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2003 ACS

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ACCESSION NUMBER:

2000:7257-3 CAPLUS

DOCUMENT NUMBER:

133:291977

TITLE:

Protein and cDNA sequences of a novel human protein

DSP-7 with dual-specificity MAP kinase phosphatase activity, and therapeutic uses

thereof

INVENTOR(S):

Luche, Ralf M.; Wei, Bo

PATENT ASSIGNEE (S):

Ceptyr, Ind., USA PCT int. Appl., 70 pp.

SOURCE:

CODEN: PIMMD2

DOCUMENT TYPE:

Patent.

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE
WO 2000060098 A1 20001012 WO 2000-US9257 20000407 W: AE, AG, AL, AM, AT, AM, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CS, DE, DM, DM, DC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KE, KC, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MI, MW, MM, NO, MC, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, T2, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KC, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SE, TC, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG EP 1171613 A1 20020116 EP L000-921835 20100407 R: AT, BE, CH, DE, DK, Ed, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO JP 2002540794 T2 200212 3 JP ..000-609588 20000407 US 1993-128207P P 19890407 PELORITY APPLN. INFO.: US 1999-138757F P 19990525 WO 2001-US:257 W 20000407

AF The invention provides protein and cDNA sequences of a novel human protein DSP-7, which has sequences homel, with dual-specificity MAP kinase phosphatase. The protein DSP-7 may be used, for example, to identify antibodies and other aments that inhibit DSP-7 activity. North biotting results show significantly higher levels of DSP-7 mRNA in tissues i human cheletal muscle and testis. The invention further relates to the uses of protein DSP-7 for modulating cell proliferation, differentiation and survival.

REFERENCE COUNT:

10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

LIC ANSWER 15 OF 19 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 2000:725778 CAPLUS 100UMENT NUMBER: 133:091970

1 1 1

Luche, Rair M.,

SCURCE:

FOT Int. Appl., 60 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

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APPLICATION NO. DATE
    PATENT NO.
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    _____
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    Wa 2000080092
                    A2 20001012
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                                                          20000407
    WO 2000060092
                    A3
                         20010104
    WO 2000060092
                    C2 2H0208L9
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                    A1 20 10:41 WO 100 -US10868 20:00420
    WG 2001032501
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                    Al 20 (10111 Wo 1000 US15207 20500629
    WO 2001002582
        W: AE, AG, AL, AM, AT, AU, AZ, EA, BE, BG, BF, BY, CA, CH, CN, CE,
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            LV, MA, MD, MG, ME, MN, MW, MX, NC, ME, PL, PT, RO, RU, SD, SE,
            SG, SI, SK, SL, TJ, TM, TR, TT, TC, UA, UG, US, UC, MN, YU, CA,
            SW, AM, AS, BY, KG, KE, MD, BU, TJ, TM
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            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BC,
            CF, CG, CI, CM, GA, GN, GW, ML, ME, ME, SN, TD, TG
                                      US 1999-118225P P 19490407
PRIORITY APPLN. INFO.:
                                       US 1934-14.3338P P 19490702
                                       WO DIS -MINIST A DUMMANT
                                       WOLD HUDLESKY A D 08428
    The invention provides protein and SIMA sequences of a notel homan protein
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PSF 3, which has requences hamol, with dual-specificity MAP kinase phosphatase. The protein 134 remay be used, too example, to identify antibodies and other agents that inhibit DSF-3 activity. North blotting results thow significantly higher levels of DSP-: mRNA in tissues of heart, liver, skeletal muscle and pancreas. The invention further relates to the uses of protein LOP-3 for modulating cell proliferation, differentiation and survival.

phosphatase and analy, and the ray of a large

thereof

INVENTOR S :

Luche, Ralf M.; Wei, Bo

PATENT ASSIGNEE(S::

Ceptyr, Inc., USA

SOURCE:

POT Int. Appl., 51 pp.

CODEN: PIMMD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

APPLICATION NO. DATE PATENT NO. KIND DATE ______ Wo 2000056899 A1 20000928 WO 2000-US7589 20000322 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, 3B, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MK, NO, NE, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TE, TT, TD, WA, UG, US, UZ, VN, YU, ZA, BW, AM, AZ, BY, KG, EB, MD, EU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CC, CI, CM, GA, GN, SW, ML, MR, NE, SN, TD, TG Al 20020102 EP.000-919530 20000322 EP 1165805 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO JP 2003-606753 20000322 JP 2002539792 T2 20021136 US 1999-135957P P 19990324 PRIORITY APPLN. INFO.: US 2000-527376 A 20000316 Wo 2000-US7589 W 20000322

The invention provides protein and cINA sequences of a novel human protein ΑĐ DSP-2, which has sequences homol, with dual-specificity MAP kinase phosphatase. The protein DSP-2 may be used, for example, to identify antibodies and other agents that inhibit DSP-2 activity. North blotting results show significantly higher levels of DSP-2 mENA in tissues of the immune system and testis. The invention further relates to the uses of protein DSP-2 for modulating cell proliferation, differentiation and survival.

REFERENCE COUNT:

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:646042 CAPLUS

DOCUMENT NUMBER:

133:236826

TITLE:

IFF-I dual-medificity phosphatase

Luche, Ralf M.; Wei, Bo

PATENT AUSIGNEE U.S.

Coptyr, Inc., USA

ROMEKE:

ordina. Appl., 74 pp.

coben: FIREFO

POSUMENT TYPE:

INVENTOR ...:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: 1

FATENT INFORMATION:

FATENT NO. KIND TATE APPLICATION NO. TATE

SK, SL, TJ, TM, TR, TT, T2, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: SH, GM, KE, LS, MW, SD, SL, SZ, FZ, UG, ZW, AT, BE, CH, CY, PE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, OG, CI, CM, GA, GN, GW, ML, MR, ME, SN, TD, TG US 1999-123255P P 19990308 FRIORITY APPLN. INFO.: Compns. and methods are provided for the treatment of conditions assocd. with cell proliferation, cell differentiation and/or cell survival. In particular, the dual-specificity phosphatase DSP-1, and polypeptide variants thereof that stimulate dephosphorylation of DSP-1 substrates, are provided. The polypeptides may be used, for example, to identify antibodies and other agents that inhibit DSP-1 activity. The polypeptides and agents may be used to modulate cell proliferation, cell differentiation and cell survival for such disorders include cancer, graft-vs-host disease, autoimmune disease, allergies, metabolic disease, and abnormal sell growth or proliferation, and sell cycle abnormalities.. L12 ANSWEE 18 OF 19 BIDSIS COPYRIGHT 2003 BIOLDGICAL ABSTRACTS INC. ACCESSION NUMBER: 2003:239124 BIOSIS DOCUMENT NUMBER: PREM200300239124 TITLE: DSP 10 dual specificity phosphatase. Luche, Ralf M (1); Wei, Bo AUTHOF(S): CORPORATE SOURCE: (1) Seattle, WA, USA USA ASSIGNEE: Ceptyr, Inc. PATENT INFORMATION: US 6551310 April 22, 2003 SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Apr. 22 2003) Vol. 1269, No. 4, pp. No. Pagination. http://www.uspto.gov/web/menu/patdata.html. e-file. ISSN: 0098-1185. DOCUMENT TYPE: Patent English LANGUAGE: Compositions and methods are provided for the treatment of conditions associated with cell proliferation, cell differentiation and cell survival. In particular, the dual-specificity phosphatase DSP-10, and polypertide variants thereof that stimulate dephosphorylation of DSP-10 substrates, are provided. The polypeptides may be used, for example, to identify antibodies and other agents that inhibit DSP-10 activity. The polypeptides and agents may be used to modulate cell proliferation, differentiation and survival. L12 ANSWER 19 OF 19 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. ACCESSION NUMBER: 003:68624 BIOSIS I COUMENT NUMBER: PREVIOUS BUSINESS TSE- admal specificity phosphatase. ANTHOR A : Luche, Ralf M. (1); Wei, Bo PERCEATE ACTIVEE: - 1. Seattle, WA, UJA UJA ASSIGNEE: Ceptyr, Inc., Bothell, WA, USA PATENT INFORMATION: US 6492157 December 10, 2002 SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, Nec. 10 2002 (Vol. 1265, No. 2, pp. No. Fagination: http://www.uspto.gov/web/menu/patdata.html. e-file.

MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,

and polypeptide variants thereof that stimulate dephosphorylation of DSP-9 substrates, are provided. The polypeptides may be used, for example, to identify antibodies and other agents that inhibit DSP-9 activity. The polypeptides and agents may be used to modulate cell proliferation, differentiation and survival.

=> s dsp-12 and phosphatase? L13 2 DSP-12 AND PHOSPHATASE: => dup rem 113 PROCESSING COMPLETED FOR L13 1 DUP REM L13 (1 DUPLICATE REMOVED) L14=> d 114 ibib ab L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 1003 ACS DUPLICATE 1 ACCESSION NUMBER: 2001:582056 CAPLUS 135:163437 DOCUMENT NUMBER: Protein and cDNA sequences of novel human proteins TITLE: DSP-12 and DSP-13 with dual specificity MAP kinase phosphatase activity, and therapeutic uses thereof Luche, Ralf M.; Wei, Bo INVENTOR(3): PATENT ASSIGNEE(S): Ceptyr, Inc., USA PCT Int. Appl., 81 pp. SOURCE: CODEN: PIKXD2 DOCUMENT TYPE: Patent English LANGUAGE: FAMILY ACC. NUM. COUNT: 1 PATENT INFORMATION: KIND DATE APPLICATION NO. DATE PATENT NO. _____ _____

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Wo 2001057221 A2 20010809
                                         Wo 2001-US3429 20010201
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     Wo 2001057221
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         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
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             B3, CF, CG, CI, CM, GA, CN, GW, ML, MR, ME, SN, TD, TG
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     mand 1:44466 Al distillation
FF: FITT AGERN. INFC.:
    The invention provides protein and MNA sequence, of novel human proteins
     DSP-12 and DSP 13, which have sequences homol. with
     dual-specificity MAP kinase phosphatase. The proteins
     DSP-12 and DSP-13 may be used, for example, to identify
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antibodies and other agents that inhibit DSP-12 or DSP-1: activity. FT-PCF anal. shows DSP-12 and PSF-1: mRNAs in all human tissues analyzed, including brain, thymus, placenta,

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=> s 112 and dsp-12
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L15 1 L12 AND DSP-12

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FILE 'HOME' ENTERED AT 15:41:30 ON 29 MAY 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, BIOTECHDS, SCISEARCH, EMBASE' ENTERED AT 15:42:18 ON 29 MAY 2003

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L9	0 S LUCHE FAIF M AU	
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L12	19 S L11 AND PHOSPHATASE	
L13	2 S DSP-12 AND PHOSPHATASE?	
L14	1 DUP REM L13 (1 DUPLICATE REMOVED)	
L15	1 S L12 AND DSF-12	
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STN INTERNATIONAL LOGOFF AT 15:50:05 ON 29 MAY 2003